

Title (en)  
ARCHITECTURE, METHOD AND SYSTEM OF MULTIPLE HIGH-SPEED SERVERS FOR WDM BASED PHOTONIC BURST-SWITCHED NETWORKS

Title (de)  
ARCHITEKTUR, VERFAHREN UND SYSTEM VON MEHRFACHEN HOCHGESCHWINDIGKEITSSERVERN FÜR WDM-BASIERTE, OPTISCHE NETZWERKE MIT BURSTSCHALTUNG

Title (fr)  
ARCHITECTURE, PROCEDE ET SYSTEME DE MISE EN RESEAU DE SERVEURS HAUTE VITESSE MULTIPLES DANS DES RESEAUX COMMUTES PAR RAFALES PHOTONIQUES A MULTIPLEXAGE EN LONGUEUR D'ONDE

Publication  
**EP 1616452 B1 20110720 (EN)**

Application  
**EP 04720398 A 20040312**

Priority  
• US 2004007633 W 20040312  
• US 41782303 A 20030416

Abstract (en)  
[origin: US2004208171A1] A modular reconfigurable multi-server system for use in a wavelength-division-multiplexed based photonic burst switched (PBS) network with variable time slot provisioning. An optical high-speed I/O module within the multi-server system enables it to serve as an edge node in the PBS network. The optical I/O module statistically multiplexes the incoming packets (e.g., IP packets or Ethernet frames) received from a legacy network, generates control and data bursts, which are then scheduled for transmission over the PBS network. The optical I/O module then optically transmits and receives the scheduled optical bursts according to traffic priority and available network resources.

IPC 8 full level  
**H04Q 11/00** (2006.01)

CPC (source: EP KR US)  
**H04B 10/25** (2013.01 - KR); **H04Q 11/00** (2013.01 - KR); **H04Q 11/0066** (2013.01 - EP US); **H04Q 11/0071** (2013.01 - EP US); **H04Q 2011/0064** (2013.01 - EP US)

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DOCDB simple family (publication)  
**US 2004208171 A1 20041021; US 7298973 B2 20071120**; AT E517516 T1 20110815; CN 1806466 A 20060719; CN 1806466 B 20110518; EP 1616452 A2 20060118; EP 1616452 B1 20110720; KR 100812833 B1 20080311; KR 20050121265 A 20051226; TW 200423598 A 20041101; TW I266498 B 20061111; WO 2004095874 A2 20041104; WO 2004095874 A3 20041229

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